

## COURSE DETAIL

### HUMAN GENETICS AND EVOLUTION

**Country**

United Kingdom - England

**Host Institution**

University of Manchester

**Program(s)**

University of Manchester

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Biological Sciences

**UCEAP Course Number**

157

**UCEAP Course Suffix****UCEAP Official Title**

HUMAN GENETICS AND EVOLUTION

**UCEAP Transcript Title**

HUMAN GENETICS & EV

**UCEAP Quarter Units**

4.00

**UCEAP Semester Units**

2.70

## Course Description

Upper division MCD biology elective. The study of human genetic complexity and disease is a rapidly expanding field driven by advances in new technologies which facilitate large-scale projects to catalog human genetic variation. These large-scale sequencing projects have revealed support for our understanding of human evolution and population migrations based on the fossil record. These studies have also revealed the extent of human genome sequence variations. However, understanding the link between genetic variation and the resulting phenotype presents challenges, as is apparent from large-scale association studies. This unit will explore how studying human genome sequences can inform our understanding of genetic disease and evolution.

## Language(s) of Instruction

English

## Host Institution Course Number

BIOL 31402

## Host Institution Course Title

HUMAN GENETICS AND EVOLUTION

## Host Institution Campus

Manchester

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

School of Biological Sciences

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